Recombinant AHNK2 protein (His tag)

Catalog Number	547680
Species	Human
Expression System	E. coli
Accession	Q8IVF2
Molecular Weight	Predictes a molecular mass of 10.82 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	111-192
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 111-192 aa (Q8IVF2) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human AHNAK2 Fragment (aa 111-192) is a highly stable and soluble protein unit designed for structural and biochemical studies. This 82-amino acid fragment, derived from the AHNAK2 protein, offers researchers a reliable tool for investigating protein interactions and molecular mechanisms in a controlled experimental setting. The full-length AHNAK2 protein is a human-derived protein localized to the nucleus, as indicated by its subcellular location annotation. While a detailed functional summary is not provided, nuclear localization suggests potential roles in gene regulation, chromatin organization, or nucleic acid binding processes. The selected fragment (aa 111-192) was computationally optimized to ensure stability and solubility, facilitating its use in experimental applications where these properties are critical.